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CLAIMS

[Claim(s)]

[Claim 1] The moisturizer characterized by containing one or more sorts of extracts chosen from an enoki mushroom, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms.

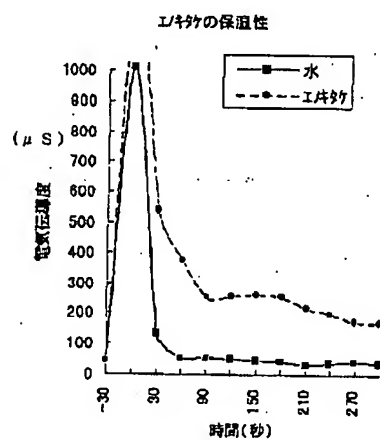

[Claim 2] Immune depression preventive characterized by containing one or more sorts of extracts chosen from an enoki mushroom, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms.

[Claim 3] Skin external preparations characterized by blending one or more sorts of moisturizers given in the 1st term of a claim.

[Claim 4] Skin external preparations characterized by blending one or more sorts of immune depression preventives given in the 2nd term of a claim.

[Claim 5] Skin external preparations characterized by blending any one or more sorts in a moisturizer claim 1st - given in dyadic, and immune depression preventive.

[Translation done.]

Drawing selection drawing 1 

[Translation done.]

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the application to drugs and quasi drugs, or the various skin external preparations of the cosmetics field at the moisturizer containing one or more sorts of extracts chosen from a new and safe enoki mushroom, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms, immune depression preventive, and a list.

[0002] It sets generally and can use. the field of the invention -- various kinds of external preparations (the pharmaceutical preparation used for animals is also included) -- specifically The shape of the shape of the shape of ampul, and a capsule, a pill, and a tablet, powder, granularity, and a solid, 1 drugs of the shape of a liquid, gel, or air bubbles, 2 quasi drugs, the object for 3 parts, or the skin cosmetics for the whole body 4) -- the scalp -- pharmaceutical preparation the medical use applied to - hair, or/and for makeup the baths used investing in (a shampoo agent, a rinse agent, a treatment agent, permanent liquid, hair dye, a charge for a haircut, a tonic agent, hair fostering, the charge of hair growing, etc. and 5) bath, and 6 -- in addition to this, liquid smell and a deodorization inhibitor, sanitary goods, sanitary napkins, wet tissue, etc. are raised. [for example,]

[0003]

[Description of the Prior Art] A life is possible also in dry atmospheric air, without covering people's skin with the horny layer which is the thin biological defense film, and losing moisture because the horny layer of the skin epidermis which touches the external world exists. That is, a horny layer is thin, pliant, and it is maintained so that the moisture from the inside of the body may not be lost, and it is adjusting the skin in the normal condition.

[0004] However, it results in the condition that the skin caused a certain change and trauma in the shape of skin epidermis by various factors (for example, contact in a temperature change, humidity, light, and water etc.), and the imperfect horny layer produced it functionally, and it is hard, resiliency is lost and the skin which reached such so-called condition turns into xeroderma which was used as the umbrella umbrella and which does not have admiration gently. moreover, such [in recent years] xeroderma -- it is said whether especially KASATSUKI is one of the causes of atopic dermatitis.

[0005] Then, conventionally, in these points, protection and in order to compensate, various kinds of cosmetics raw materials are applied and used. For example, fats and oils, such as a squalane, are applied on the skin, the fats-and-oils film is made, preventing evapotranspiration of the moisture of a horny layer is performed, and the lipid between cells etc. is compensated, a lipid membrane is made, holding moisture between lipids, and to prevent evapotranspiration of moisture etc. is tried.

[0006] However, such quality of an alternative used conventionally is skin epithelia fundamentally. Since it is only used for the basis of the idea of preventing desiccation by applying, if the amount used is little, effectiveness is not expectable, and if too conversely abundant, it will be oily and a feeling of stickiness will be produced, and it was hard to say that it is good also as a feeling of use.

[0007] Therefore, in recent years, to apply and reproduce the almost same matter as the component on

the front face of the skin on the skin is made into an ideal, and the horny layer component called natural moisturizing factor:NMF (Natural Moisturizing Factor) captures the spotlight, and has been used. in addition, the horny layer component called natural moisturizing factor (henceforth NMF) of these single strings -- organic acids, such as amino acid and a lactic acid, the salts of those and a pyrrolidone carboxylic acid, a urea, and a saccharide -- in addition, it comes out and a certain thing is known.

[0008] Since the description and the property of this NMF make a skin horny layer a hydrophilic property, incorporates moisture and has a moisture maintenance operation, it is bearing the most important role for accommodation of a skin horny layer. However, NMF causes elution by contact of long duration with water etc., is kept very much in the so-called skin of dryness, causes the resiliency fall of surface deterioration, KASATSUKI and cracking, a fissure, and the skin, and is said to become the cause of various skin troubles.

[0009] So, recently, adding hygroscopic matter, such as high water solubility, to a moisturizer, and a call and skin external preparations is performed. in addition, as current and a typical moisturizer used For example, a glycerol, propylene glycol, 1, 3-butylene glycol; A sorbitol, a polyethylene glycol, sodium lactate, hyaluronic acid, and its salt, Chondroitin sulfate and its salt, a water-soluble chitin, or a chitosan derivative, A pyrrolidone carboxylic acid and its salt, sodium lactate, a collagen and its decomposition product, or those derivatives, a hen's egg component, trehalose or its derivative, the placenta extract of a cow and a man, and a thickener (roast Bingham --) A carrageenan, tragacanth gum, pectin, a mannan, xanthan gum, Gelatin, GAZEIN, methyl cellulose, ethyl cellulose, an alginic acid, and its salt, a polyvinyl pyrrolidone, a carboxyvinyl polymer, etc. and vegetable extractives (aloe extractives --) Cork tree bark extractives, KYOU cutlet extractives, kudzu extractives, a glycyrrhiza extract, the Ligusticum sinense Oliv. extractives, the Phycho extractives, cnidium rhizome extractives, angericae radix extractives, ginseng radix extractives, coix seed extract, etc. are known.

[0010]

[Problem(s) to be Solved by the Invention] However, it is bad, and the stability in the inside of a formula system and solubility produce the nasty smell by dregs or decomposition, and coloring, and the effectiveness in living body level does not have [the above mentioned moisturizer] them, either.

[enough] Furthermore, there were some which start surface deterioration and a rash, and there was a problem also in respect of safety.

[0011]

[Means for Solving the Problem] It checked this invention persons considering as the theme of development of various extracts which are useful as a moisturizer in view of such a situation, consequently having a moisturization operation in the extract of an enoki mushroom, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms. Moreover, when evaluation was tried in another viewpoint, the immune depression prevention operation was checked further. Therefore, this extract can be used for an effective target as a moisturizer or/and immune depression preventive, and it has offering useful safe skin external preparations in prevention of the immune depression induced by prevention and the therapies, and ultraviolet rays of the skin or the scalp, such as desiccation and a dry area, and came to complete this invention.

[0012]

[Embodiment of the Invention] In addition, they are Tricholomataceae (Tricholomataceae), the enoki mushroom (F. velutipes) umbrella of Flammulina (Flammulina) or a shank, a fruit body, a mycelium, and sclerotium as the "enoki mushroom:enoki mushroom" used by this invention.

[0013] They are the umbrella of the department (Pleurotaceae) of an oyster mushroom, Pleurotus (Pleurotus), and pre lotus ERINJI (P. eryngii) or a shank, a fruit body, a mycelium, and sclerotium as "ERINGII."

[0014] "-- shiitake mushroom: -- shiitake mushroom" -- the umbrella of Tricholomataceae (Tricholomataceae), an Aussie group (Lentinus), and shiitake mushroom "L.ebobes Singer (=Cortinellus shiitake P.Henn.)" or a shank, a fruit body, a mycelium, and sclerotium.

[0015] "Shimeji mushroom: They are the umbrella of Tricholomataceae (Tricholomataceae),

Lyophyllum (Lyophyllum), a phone Shimeji mushroom (L.shimeji), a SHAKA Shimeji mushroom (= SEMBON Shimeji mushroom) (L.fumosum), Lyophyllum decastes (L.descastes), an OSHIROI Shimeji mushroom (L.connatum) and the Lyophyllum group (Hypsizigus), the Buna Shimeji mushroom (H. marmoreus), and Lyophyllum (H. ulmarius) or a shank, a fruit body, a mycelium, and sclerotium as ****."

[0016] "nameko mushroom: They are the umbrella of the department (Strophariaceae) of MOEGITAKA, the nameko mushroom (P. nameko) of Pholiota (Pholiota), a slime Japan cedar bamboo (A. adiposa), slime Japan cedar bamboo MODOKI (A. aurivella), tea NAMETSUMUTAKE (P. lubrica), and SHIRONAMETSUMUTAKE (P. lenta) or a shank, a fruit body, a mycelium, and sclerotium as slider."

[0017] "brown mushroom: They are the umbrella of the department (Agaricaceae) of the agaric, the Agaricus (Agaricus), and a brown mushroom (A. bisporus) or a shank, a fruit body, a mycelium, and sclerotium as mushroom."

[0018] They are the department (Agaricaceae) of the agaric, the Agaricus (Agaricus), the agaric (A. campestris), a horse mushroom (A. arvensis), the umbrella of USUKIMORINOKASA (A. abruptibulbus) or a shank, a fruit body, a mycelium, and sclerotium as the "agaric."

[0019] "Agaricus blazei: They are the umbrella of the department (Agaricaceae) of the agaric, the Agaricus (Agaricus), and Agaricus blazei (A. blazei Merrill) or a shank, a fruit body, a mycelium, and sclerotium as princess matsutake and alias name: Agaricus blazei Murill."

[0020] "maitake mushrooms: They are the umbrella of the maitake mushrooms (G. frondosa) of Polyporaceae (Plyporaceae) and a maitake-mushrooms group (Grifola) or a shank, a fruit body, a mycelium, and sclerotium as maitake-mushrooms."

[0021] What squeezed each various parts (an umbrella or a shank, a fruit body, a mycelium, sclerotium) after **** grinding as they were with the extract of the enoki mushroom used by this invention, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms. Or a solvent extracts after remaining as it is or grinding.

[0022] as an extracting solvent -- water and alcohols (for example, a methanol and dehydrated ethanol --) Polyhydric alcohol, such as lower alcohol [, such as ethanol,] or propylene glycol, 1, and 3-butylene glycol, Ketones, such as an acetone, diethylether, dioxane, an acetonitrile, It can be used, also where it was independent, it could use organic solvents, such as ester, such as ethyl-acetate ester, a xylene, benzene, and chloroform, for arbitration combining two or more kinds of mixtures and each solvent extraction object is put together.

[0023] Moreover, what is necessary is for the various extracts of an enoki mushroom, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms to perform desiccation, concentration, or dilution to arbitration according to the pharmaceutical form and gestalt of the moisturizer to apply, immune depression preventive, and skin external preparations, and just to adjust them.

[0024] in addition -- although there is especially nothing to which the manufacture approach is restricted -- usually -- the range of the boiling point of the solvent under ordinary temperature - ordinary pressure - it is -- ****ing -- after an extract -- filtration or ion exchange resin -- using -- adsorption, decolorization, and purification -- carrying out -- the shape of the shape of a solution, and a paste, and gel -- powdered -- then, it is good. Furthermore, although it can use in the condition as it is, if required, purification processing of deodorization, decolorization, etc. may be further added in the range which does not have effect in the effect, as purification processing means, such as deodorization and decolorization, in many cases, the usual means generally applied by the quality of an extract is chosen as arbitration, and they should just perform it that what is necessary is just to use an activated carbon column etc.

[0025] Although the various extracts of the enoki mushroom of this invention, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms can be blended with a moisturizer, immune depression preventive, and skin

external preparations as they are and are not specified especially as the loadings, they change a little with extent of the class of a moisturizer, immune depression preventive, and skin external preparations, quality, and the operation expected, and are usually preferably [2 - 20% of] good 0.01% of the weight or more (it expresses with weight % hereafter). In addition, if there are few loadings than 0.01%, effectiveness cannot expect enough.

[0026] In addition, within limits which do not spoil the effectiveness of this invention if needed in addition to the aforementioned indispensable component, to arbitration, the moisturizer of this invention, immune depression preventive, and skin external preparations can choose and use together the component and additive which are used for pharmaceutical preparation, such as drugs, quasi drugs, and cosmetics, and can manufacture them.

[0027] (1) Various fats-and-oils avocado oils, an almond oil, fennel oil, sesame oil, olive oil, orange oil, the Orange RAFA oil, sesame oil, cacao butter, a chamomillae flos oil, a KAROTTO oil, a queue can bar oil, a beef tallow fatty acid, a coconut oil, safflower oil, Xia fat, soybean oil, camellia oil, Corn oil, rapeseed oil, a par chic oil, castor oil, cotton seed oil, peanut oil, a turtle oil, a mink oil, a yolk oil, cacao butter, palm oil, palm kernel oil, Japan wax, palm oil, beef tallow, lard, or the hydrogenation objects of these fats and oils (hardened oil etc.).

[0028] (2) Low yellow-bees-wax, cull navarho, spermaceti wax, lanolin, liquefied lanolin, and reduction lanolin, hard lanolin, candelilla wax, montan wax, a shellac low, etc.

[0029] (3) A straight-mineral-oil liquid paraffin, vaseline, paraffin, OZOKERAIDO, a ceresin, a micro coulisse tongue wax, squalene, squalane, pristane, etc.

[0030] (4) A fatty-acids lauric acid, a myristic acid, a palmitic acid, stearic acid, behenic acid, oleic acid, 12 Synthetic fatty acids, such as natural fat acids, such as hydroxy stearic acid, undecylenic acid, tall oil, and a lanolin fatty acid, iso nonoic acid, a caproic acid, 2-ethyl butanoic acid, isopentanoic acid, 2-methyl pentanoic acid, 2-ethylhexanoic acid, and isopentanoic acid.

[0031] (5) Synthetic alcohol, such as natural alcohol, such as alcohols ethanol, iso PIROPA Norian, lauryl alcohol, cetanol, stearyl alcohol, oleyl alcohol, lanolin alcohol, cholesterol, and a phytosterol, 2-hexyl decanol, isostearyl alcohol, and 2-octyl dodecanol.

[0032] (6) Polyhydric-alcohol ethylene oxide, ethylene glycol, a diethylene glycol, triethylene glycol, ethylene glycol monoethyl ether, ethylene glycol monobutyl ether, the diethylene-glycol monomethyl ether, diethylene glycol monoethyl ether, a polyethylene glycol, a propylene oxide, propylene glycol, a polypropylene glycol, 1, 3-butylene glycol, a glycerol, a pentaerythritol, a sorbitol, a mannitol, etc.

[0033] (7) Ester myristic-acid isopropyl, palmitic-acid isopropyl, butyl stearate, lauric-acid hexyl, myristic-acid Millis Chill, oleic acid oleyl, oleic acid DESHIRU, myristic-acid octyldodecyl, dimethyl octanoic-acid hexyldecyl, lactic-acid cetyl, lactic-acid Millis Chill, a diethyl phthalate, dibutyl phthalate, acetic-acid lanolin, monostearin acid ethylene glycol, monostearin acid propylene glycol, polypropyleneglycol dioleate, etc.

[0034] (8) Metal soap aluminum stearate, magnesium stearate, zinc stearate, calcium stearate, palmitic-acid zinc, myristic-acid magnesium, lauric-acid zinc, zinc undecylenate, etc.

[0035] (9) A gums, A saccharide And water soluble polymer compound gum arabic, benzoin rubber, gum dammar, guaiac resin, Ireland moss, kadaya gum, tragacanth gum, KYAROBUGOMU, Queen seed, an agar, casein, a lactose, fruit sugar, cane sugar and its ester, trehalose And the hydroxyalkyl (C2-C4) chitin where alkylene (C2-C4) oxide, such as the derivative, a dextrin, gelatin, pectin, starch, a carrageenan, a carboxymethyl chitin or chitosan, and ethyleneoxide, was added Or chitosan, a low-molecular chitin Or chitosan, a chitosan salt, a sulfation chitin Or chitosan, a phosphorylation chitin Or chitosan, an alginic acid And the salt, hyaluronic acid And the salt, chondroitin sulfate And the salt, heparin, ethyl cellulose, methyl cellulose, a carboxymethyl cellulose, a carboxyethyl cellulose, carboxyethyl cellulose sodium, hydroxyethyl cellulose, hydroxypropylcellulose, a nitrocellulose, Polyalkylene oxide, such as crystalline cellulose, polyvinyl alcohol, polyvinyl methyl ether, a polyvinyl pyrrolidone, polyvinyl methacrylate, polyacrylate, polyethylene oxide, and polypropylene oxide Or the bridge formation polymerization object, a carboxyvinyl polymer, polyethyleneimine, etc.

[0036] (10) A surface-active-agent anionic surface active agent (alkyl carboxylate, an alkyl sulfonate, an

alkyl-sulfuric-acid ester salt, alkyl phosphate), A cationic surface active agent (an alkylamine salt, alkyl quarternary ammonium salt), Amphoteric surface active agent : A carboxylic-acid mold amphoteric surface active agent (an amino mold, betaine mold), A sulfate mold amphoteric surface active agent, a sulfonic acid type amphoteric surface active agent, a phosphoric ester mold amphoteric surface active agent, A nonionic surface active agent (an ether-type nonionic surface active agent, an ether ester type nonionic surface active agent, an ester type nonionic surface active agent, a block-polymer-type nonionic surface active agent, nitrogen-containing nonionic surface active agent), Other surface active agents (the derivative of a natural surface active agent and a proteolysis object, a giant-molecule surface active agent, the surface active agent containing titanium silicon, carbon fluoride system surface active agent) etc.

[0037] Various vitamin vitamin A groups : (11) Retinol, retinal (vitamin A 1), Dehydroretinal (vitamin A 2), carotene, lycopin (provitamin A), Vitamin B group : Thiamine hydrochloride, a thiamine sulfate (vitamin B1), A riboflavin (vitamin B2), a pyridoxine (vitamin B6), cyanocobalamine (vitamin B12), Folic acids, nicotinic acids, pantothenic acid, biotins, a choline, and inositols Vitamin-C group : An ascorbic acid and its derivative, vitamin D group:ergocalciferol (vitamin D 2), Cholecalciferol (vitamin D3), the dihydrotachysterol, Vitamin-E group : A tocopherol and its derivative, ubiquinones, vitamin K group: vitamin K1 (vitamin K1), Menaquinone (vitamin K 2), menadione (vitamin K 3), menadiol (vitamin K 4), In addition, essential fatty acid (vitamin F), carnitine, ferulic acid, gamma Orizanol, orotic acid, vitamin P (rutin, ERIO citrin, hesperidin), vitamin U, etc.

[0038] (12) Various amino acid valines, a leucine, an isoleucine, a threonine, a methionine, a phenylalanine, a tryptophan, a lysine, a glycine, an alanine, an asparagine, a glutamine, a serine, a cysteine, a cystine, a tyrosine, a proline, a hydroxyproline, an aspartic acid, glutamic acid, hydroxylysine, an arginine, an ornithine, a histidine, etc. those sulfates, phosphate, a nitrate, citrate or the amino acid derivative like a pyrrolidone carboxylic acid, etc.

[0039] (13) vegetation or the various additives of the animal system raw material origin -- these The product classification which it is going to add, processing performed in conventional method according to a gestalt What is necessary is to carry out (for example, processing which chose grinding, milling, washing, hydrolysis, fermentation, purification, squeezing, an extract, fractionation, filtration, desiccation, disintegration, granulation, the dissolution, sterilization, pH adjustment, deodorization, decolorization, etc. as arbitration, and was combined), to choose to arbitration and just to offer from various kinds of materials.

[0040] In addition, about the solvent used for an extract, although what is necessary is just to choose after taking into consideration the purpose of using the product to offer, a class, or the processing processing performed behind, it is desirable to use one sort or two sorts or more of mixtures chosen from water and water-soluble organic solvents (for example, ethanol, propylene glycol, 1, 3-butylene glycol, etc.) usual. However, only water may be used, or the ethanol which is easy to remove after an extract by the application when content of an organic solvent is not desirable may be adopted, and independent or the thing which carried out the exploitation extract may be [that what is necessary is just to use by the mixture of arbitration with water] used.

[0041] Vegetation or the additive of the animal system raw material origin In addition, the object for the whole body or external preparations for parts, Moisturization, the improvement of a feel and aesthetic property, grant of flexibility, relaxation of a stimulus, relaxation of the stress according [when presenting cosmetics, begin protection of the skin and the hair, and] to aroma, cell activation (cellular senescence prevention), Effectiveness, such as scent attachment besides cosmetics-effectiveness, such as control of inflammation, an improvement of skin quality and a hair type, surface deterioration prevention and its improvement, hair growing, hair fostering, depilation prevention, grant of gloss, the clarification effectiveness, relaxation of fatigue, blood-flow promotion, and the hot bath effectiveness, deodorization, thickening, preservation from decay, and a buffer, is also expectable.

[0042] As concrete vegetation (crude drug) used as a raw material, for example An almond (peach through which it does not pass), An eye (anil leaf), AOKAZURA (*Sinomenium acutum* Rehder et Wilson), *Cocculus trilobus* (*Cocculus orbiculatus*), An American aloe, FUKURIN *Agave americana*, an

acacia, dirt currant fruits, a dirt grape, *Mallotus japonicus* (malloti cortex), Madder (*Rubia cordifolia* root), *Rehmannia-glutinosa*-*Liboschitz* *Rehmannia* Root (*Rehmanniae radix*), an asa foe tida (asa foe tida), AKINIRE (*Ulmus parvifolia*), an akebi (*Akebiae caulis*), Asa (*cannabis*), a mull bar morning glory, or a morning glory (pharbitis seed), *Angelica keiskei* (tomorrow leaf), an azuki bean (red Shozu), an acerola, cube gambir (gambir catechu), Anis-, ABEMAKI fruits, an avocado, flax, *Hydrangeae dulcis* folium (*hydrangeae dulcis folium*), *Gynostemma pentaphyllum*, a sealwort (*Polygonatum* root), *Fritillaria thunbergii* (*Fritillaria verticillata*), the althea, Arnica, an aloe (aloe), an aloe vera, *Angelica*, an apricot phone apricot (apricot kernel), Benzoin (benzoin), IGAKOUZORINA (*Elephantopus scaber* Linn. Subsp. *oblanceolata* Kitam.), a Japanese knotweed (*Polygonum cuspidatum* root), A strawberry, a fig (fig) or its leaf, Indian mallow (flowering maple), a *Pyrola japonica*, a ginkgo tree (a ginkgo nut leaf, ginkgo nut), *Polygala tenuifolia* (*Polygalaceae*), algarroba, a rice seed or a testa, a dill seed, *Thymus serpyllum*, a nettle, ylang ylang, a fennel (fennel), *Bolboschoenus fluviatilis* (3 **), bush warbler KAGURA fruits, a cumin, curcmae rhizoma (turmeric), *Asiasarum sieboldii* cay phosphorus wild ginger (*Asiasari radix*), a common mallow, an marsh mallow, a prunella (prunella spike), An udo or angelica (*Notopterygii rhizoma*, German **, *Angelica pubesens* Maximowicz), a plum (Japanese apricot tree) or its pulp, URAJIROGASHI, oolong tea, a bearberry leaf, Satsuma orange (*aurantii nobilis pericarpium*), S truck gon, EZOUKOGI (Ezo 5 **), an EZOKI strawberry, *Echinacea* (HOSOBAMURASAKIBARENGIKU), *Cassia obtusifolia* (cassia seed), ERUDA berry fruits, elemi, a Japanese pagoda tree (a Japanese pagoda tree, sophora), *Astragali radix* *Astragalus membranaceus* (*Astragali radix*), a coptis root (coptis root), an ochre lath melon (*trichosanthes* seed), *Sinomenium acutum* (*Stephania tetrandra radix*), the psyllium (a plantago seed, plantain), OOHASHIBAMI (*Corylus heterophylla*), OOBANAOKERA *Atractylodes japonica* (*Atractylodes japonica*), the *Alnus siboldiana* fruits, the *Crataegus pinnatifida* Bunge var. major N. E. Brown white thorn (hawthorn), *Prunus jamasakura* SASANOYUKI, SASANOYUKI, a barley (barley), an elecampane (*Inula britannica japonica*), Okra fruits, *Panax schinseng* *Panax japonicus* (ginseng radix) St. John's wort KOGOMEB A St. John's wort SEIYOU St. John's wort (St. John's wort), A dead nettle (*Dipsacus japonicus*), ONAMOMI (coklebur), demon GURUMI, *Gastrodia elata* (*Gastrodia elata*), Tiger lily Sasa lily *Lilium brownii* F. E. Brown var. *colchesteri* Wilson (lily), *Ononis spinosa*, a halibut (*Ulmus laciniata*), *Patrinia scabiosaefolia* (valerian), a strawberry, Netherlands mustard (watercress), ORANDAZERI, Netherlands Mitsuba, an olive, oregano, the Orange fruits or pericarp, KAIKEIJIOU (*radix rehmanniae preparata*), A cacao seed, an oyster or its leaf (persimmon calyx), key KAZURA (*Uncariae Uncis Cum Ramulus*), a cassia, paper mulberry tree fruits (paper mulberry fruit), A zedoary (*Curcuma zedoaria* ROSCOE), oak (a Daimio Oak, Daimio Oak leaf), cascarilla, a Japanese climbing fern (*Lygodium japonicum* Sw.), A valerian (valerian), a birch or SHIDAREKAMBA (white birch), a Japanese pumpkin, a KAPOKKUNOKI seed, a KAHOKU *physalis radix* (*Zanthoxylum piperitum*), Gama (bulrush), chamomillae flos *Anthemis nobilis*, a paper evergreen shrub of the family *Araliaceae* (*Tetrapanax papyiferus*), a cam cam / duck duck, a crow melon (*Trichosanthes cucumeroides*), Crow BISHAKU (*pinelliae tuber*), oat grass, a guarana seed, *Magnolia officinalis* (*Magnolia obovata* THUNB.), A karaya, a Chinese quince (Chinese quince), a gal senior, purple willow, KAWARATAKE, *Artemisia capillaris* (** Ching **), KANSUI (*Euphorbia kansui*), liquorice (*glycyrrhiza*), can TARAASA, a candelilla, a can tow, a canna, a bramble, kiwi fruits, an yellow snake gourd (*Trichosanthis radix*), A platycodi radix (a platycodi radix, platycodon root), a chrysanthemum (chrysanthemum), a Japanese catalpa (*Catalpae fructus*), creak (*Rumex japonicus*), *Rutaceae auranti-pericarpium* (orange pea), KIZUTA, a KIDACHI aloe, KIDACHIHAKKA, a chinae cortex, KINANOKI (SHINKONA) *Cinchona succirubra*, a yellowfin tuna (yellow bark), *Gymnema Silvester*, a cabbage, a KYABEBU sheep mature fruit, a cucumber, KIRAJA SAPONARIA, quillaja, kumquat fruits, the betel, an agrimony (XIAN HE CAO), Guava fruits, GUAYURE, *Quercus infectoria* (nutgall), A coconut, a Chinese matrimony vine (*Lycium chinense*, lycii fructus), a Chinese matrimony vine, root rind of a Chinese matrimony vine, asparagus (asparagus), Kudzu (root of a kudzu), a camphor tree, GUSU berry fruits, a gardenia (*gardeniae fructus*), The Japanese oak (** SOU), a low bamboo, *Verbena officinalis* (*Verbena officinalis*), clara (sophora root), Cranberry fruits, a chestnut or its astringent inner skin, KURUKURIGO radio-and-TV FORIA fruits, a

grapefruit, the coyotillo, clo GANEMOCHI (kurogane holly), *Isodon trichocarpus*, a clove (caryophylli flos, caryophylli flos), *Schizonepetae herba* (*Schizonepeta tenuifolia*, *schizonepeta herb*), *Celosia* (a crest flower, crest child), a bay (laurel), *Smilax glabra* (*smilacis rhizoma*, *smilacis rhizoma*), A gentian, a *Geranium thunbergii* Sieb. et Zucc. (*Geranium thunbergii*), yeast / *Citrus tachibana* / tangerine / ponkan orange / Sun Tara (*citrus aurantium*), a monthly rose (month ****), a lemon balm, and a kozo -- fruits and a coacher (tea) -- *Nuphar japonicum* (*nuphar rhizome*), *Ligusticum sinense* Oliv. (*Ligusticum sinense* Oliv., Tang *Ligusticum sinense* Oliv.), a kaoliang, coriander fruits, *Scutellaria baicalensis* (yellow gon), A cowberry leaf (*Vaccinium vitis-idaea*), coconut fruits, *Evodiae fructus* (*Evodiae fructus*), *Rubus chingii* (*Rubus chingii* Hu), Pepper (pepper), a copaiba balsam, coffee beans, *Magnolia kobus* *Magnolia quinquepeta* (*Magnolia praecocissima*), A burdock (an edible burdock, edible burdock child), *C. apiifolia* var. *bternata* MAKINO, Goma (sesame), *Scrophularia buergeriana* Miq. (** 3), *Schisandra* fruit (*schisandra* fruit) *Kadsura japonica* *Kadsura japonica* *Schisandra nigra* Maxim., wheat (wheat), rice and rice bran (red bran, Shiranuka), and rice -- an oil, a cola acuminata seed, a cola Bella seed, common fenugreek fruits, Colombo, a condurango cortex, a *Fucus vesiculosus*, konnyaku, and a comfrey (comfrey) -- Sisal, a sisal, SAKISHIMABOTANZURU (*clematis radix cum rhizoma*), The leaf, the flower, the fruits, and the bark of a cherry (OOSHIMAZAKURA, *Prunus jamasakura* Sieb. ex Koidz, OYAMAZAKURA, EDOHIGASHI, MAMEZAKURA, MIYAMAZAKURA, Somei Yoshino, hawk NEZAKURA, dregs MIZAKURA, *Daphne genkwa*, KOHIGAN, SATOZAKURA, *Prunus kanzakura* Makino) (*Pruni cortex*), A cherry, a pomegranate, Sasa, sasanqua, SAJIOMODAKA (*alisma rhizome*), a sweet potato, a sugarcane, a sugar beet, SANEBUTONATSUME (*zizyphi semen*), a crocus (a crocus, ****) A flower, shaddock fruits, a soapwort, salmon berry fruits, cohosh (*Cimicifugae rhizoma*), A salvia (SAGE), SAWAGIKYOU (*Lobelia sessilifolia*), SAWAGURUMI (crest walnut), The Sun City ginseng (37 ginseng radices), corni fructus (*corni fructus*), a *physalis radix* (*zanthoxyli fructus*), A *sophorae subprostratae radix* (*sophorae subprostratae radix*), Xia (Karite), SHIANOKI fruits, Sion (Tartarian aster), KATAMENJISO (a perilla herb, perilla child) JIKITARISU, *Combretaceae* (*Quisqualis indica*), and a beefsteak plant - AOJISO dust MENJISO- A red sandal tree, a linden, *cinae flos* *Magnolia hypoleuca*, a *cinae flos forsythia* fruit (weeping golden bell), *Chrysanthemum indicum* Linne (*chrysanthemum*), A meadowsweet, a potato, a peony (*paeoniae radix*), *Adenophora* sp. (sand 3), Mondo grass (*Ophiopogonis tuber*), JUZUDAMA, and a hemp palm -- fruits and ginger (ginger) -- A Japanese iris (Shobu, *calamus*), SHOZUKU fruits, a SHIRAKASHI seed, the seed of SHIROGOCHOU, Iris florentina, the flower of SHIROBANATSUTA, a SHIROMI nandina (*Nandina domestica* seed), SHINKONASAKU sill bulla, SHINNAMON, a watermelon (watermelon), Japanese honeysuckle (a gold-and-silver flower, anthemion ornament), SUIBA (*Rumex acetosa*), swim berry fruits, a stevia, strawberry fruits, a field horsetail (*Equisetum arvensis*), The cone of a stevia, SUMOMO fruits, and a SEIYOU Japanese red pine, a SEIYOU larch, SEIYOUKIZUTA, SEIYOUGURUMI, a haw, *Taraxacum officinale*, a horse chestnut (horse chestnut), Pear fruits, SEIYOUNATSUYUKISOU, a bourtree (Elder), SEIYOUNEZU (juniper and juniper), *Achillea millefolium* (mill foil), *Rosa hybrida* and SEIYOUFUUCHOU -- me, a SEIYOU mistletoe, peppermint *Melissa officinalis*, horseradish, and *Acorus gramineus* (*Acorus gramineus rhizoma*) -- A mallow, HIROHA senega, senega, an auction, celery, a *cnidium rhizome* (river KYUU), A chinaberry, a sialid (this medicine), the senna fruit or a leaf, *Clematis maximowicziana* (large **), SOUKA (*Tsaoko fructus*), a buckwheat seed, *Dioscorea rhipogonioides*, rhei rhizoma (*rhei rhizoma*), a Japanese radish, an soybean, a sour orange (bitter orange peel, orange pea), *Euphorbia pekinensis* (large **), hawk bracken (*Cibotium barometz*), dark sweet cherry fruits, a holly hock, garden thyme (a time, 100 Rika), A length willow, a tamarind seed, an onion, *Magnolia salicifolia* (*Magnolia praecocissima*), a fatsia or its cortex, *Salvia miltiorrhiza* (*Salvia miltiorrhiza* Bge.), A dandelion (cattail Kimihide) or a SHIROBANA dandelion MOUKO dandelion, dammar, cherry fruits, a cogon, or its root (*imperatae rhizoma*), *Panax japonicus* (*panacis japonici rhizoma*), chicory, *Schizandra chinensis* (*schisandra* fruit), The Korea rhei rhizoma (*rhei rhizoma*), CHOUSENNIRE (*fructus Ulmi Macrocarpae*), a ginseng (*ginseng radix*), Korea sagebrush (*Artemisiae argyi folium*), chuling maitake mushrooms (*Polyporus*), *Oenothera erythrosepala*, a camellia, *Centella asiatica*, TSUMKUSA (*Sagina japonica*), A dayflower (*Commelina communis*), a vine azuki bean (red

Shozu), *Polygonum multiflorum* (polygona radix), TSURUNA (*Tetragonia tetragonoides*), a vine ginseng (four leaves 3), TSUWABUKI, a coral tree, TEUCHIGURUMI, DEYUBERI fruits, agar-agar, ten die *Lindera strychnifolia* (linderae radix), A wax gourd (Chinese preserving melon child), capsici fructus (No. **), an *angericae radix* (angericae radix), *Calendula officinalis* (marigold), Corn or corn hair (southern barbarian hair), *Lingustrum lucidum* (female Sadako), A tow gentian (*gentianae scabrae radix*), *Houttuynia* (*houttuynia herb*), ipecac (ipecac), a TOSHISHI *Cuscuta australis* dodder, TOCHUU (*Eucommia ulmoides* bark, *Eucommia-ulmoides*-bark leaf), A tomato, tragacanth, a thoria KANSOSU seed, torr MENCHIRA, a Japanese poplar, *Abelmoschus monihot*, NAIZE rear berry fruits, a yam yam (yam), NAGIIKADA (butcherbroom), NAGINATAKOUJU, shepherd's purse, the rapeseed, a Chinese citron, a jujube tree (dried jujube), *Rosa laevigata* (golden Sakurako), a Solomon's seal (*Polygonati rhizoma*), *Arachis hypogaea* (peanut), A nandina (*Nandina domestica* seed), picrasma wood (*picrasma wood*), *Artemisia absinthium* (absinthe), a muristicae semen, cay cinnamon (cassia) Casey (keishi), A scallion (leek), the fruits and the flower of the *sambucus* (bonesetting tree) or forage, a garlic (*allii bulbus*), *Rhus javanica* (nutgall), a Welsh onion, NOAZAMI (large **), *Rosa polyantha* (*Rosae multiflorae fructus*), a milfoil, *Angelica decursiva* (*Peuceadanthum praeruptorum* Dunn), Novara, NOMOMO, a palm, pineapple fruits, a hibiscus (a Chinese rose, a FUURIN Chinese rose, ROZERU), *Drynaria fortunei* (*Drynaria fortunei rhizoma*), HAKUSEN (*trichophytia* hide), HAKURU berry fruits, a chickweed (*Stellaria neglecta*), A hazelnut (*Corylus heterophylla*), the scopolia (funnel root), basil, a lotus (*Nelumbis Semen*, Hasuko), Parsley (ORANDAZERI), a rye, BATATA, *Phyllostachys nigra* Munro var. *Henonis* Stapt *Phyllostachys* (bamboo shavings), Patchouli, a mentha herb (peppermint, peppermint leaf), *Coix lacryma-joli* (coix seed), amenarrhena (*Anemarrhenae Rhizoma*), A banana, HANAHAKKA, vanilla bean BINZU, a papaya, cottonweed (*Gnaphalium affine*), Hub grass, paprika, *Vitex Mitsuba vitex* (*Vitex rotundifolia*), a purple nutsedge (*cyperi rhizoma*), *Tribulus terrestris* (*Tribulus terrestris* Linn), a sweetbrier (*Rosa x maikai* flower), a glehnia root (glehnia root), The hamamelis, a rose (rose), *Parietaria*, a hull elm (a bark of *Ulmus davidiana* var. *japonica*, *Ulmus cavidianna*, leaf of *Ulmus davidiana* var. *japonica*), A breadfruit, a blackberry lily (*Belamcanda chinensis* DC.), a HIKAGE vine ginseng (party 3), PIKAN nuts, a cluster amaryllis (*Lycoris radiata*, *Lycoris radiata*), *Isodon japonicus* (prolongation-of-life grass), a waterchestnut (water caltrop), a pistachio, a beat, *Aspidistra elatior* (*Pyrosia lingua* (Thumb.) Farw.), *Achyranthes fauriei* (*achyranthes* root), a cypress, Khiva, a castor bean, a sunflower, a green pepper, HIMEGAMA (lesser bulrush), *Pimenta* fruits, *Angelica Dahurica* Root, BYAKKYUU, *amaranthus* fruits, *Althaea officinalis*, HIROHA *Pulsatilla cernus* (*Pulsatilla chinensis*), A loquat (a loquat, *eriobotryae folium*), a bottle low (*Areca catechu*, areca nut), FUUTOUKAZURA (*Piper kadsura*), Japanese butterbur, a coltsfoot (*Tussilago farfara*, *Tussilago farfara* leaf), a thoroughwort (Dutch grass), *Dolichos lablab* (hyacinth bean), Grape fruits or pericarp, a seed and a leaf, Buna, FUYUMUSHINAKKUSATAKE (*Cordyceps sinensis* Berk), The Brazil liquorice, black car RANTO fruits, a black berry, plum fruits, full SERARIA, a blueberry (SEIYOUHIMESUNOKI), A prune, blond psyllium, BUNDOU (mung bean), a luffa, *carthami flos* (safflower), HENEKEN, a deadly nightshade, the Bury fruits, pel BIAMBAGU, BOISEN berry fruits, *Ledebouriella* (*saposhnikovia* root), It fades (Chinese quince). a spinach, *Physalis alkekengi* (Toro root), and *Magnolia hypoleuca* (a Wakouboku, **) -- HOSOBANAOKERA (*Atractylodis lanceae rhizoma*), HOSOBABARENGIKU, *Tilia miqueliana* (*****), a carbon button (a peony, moutan bark), hop, a jojoba, HOWA torr berry fruits, MAIZURU *Arisaema* (*Arisaematis Tuber*), a mahuang (mahuang), macadamia nuts, digenea (sea people) Grass, MAGUWA (mulberry bark, mulberry leaf), *Magnolia SUPURENGERI*, a silvervine (*Actinidia polygama*), A pine umbrella, Matsuba, Hoelen (*Poria*), MAYORAMU (HANAHAKKA), mull BANOJAJIN (*sophora* root), The Mull Bury fruits, a quince, a mango, a mangosteen, MANSHUUGURUMI, Mandarin fruits, MANNENTAKE (*Ganoderma*), Mandarin orange group vegetable fruits (orange pea), *Bupleurum* (*bupleuri radix*), MIZOKAKUSHI (*Lobelia chinensis*), *Lythrum* (*Lythrum anceps* Makino), MITSUGASHIWA, Mitsuba, spearmint, a mimosa, a Japanese ginger, miracle fruit fruits, myrrh, *Terminalia chebula*, *Hibiscus syriacus* (*Hibiscus syriacus*), MUKUNOKI, *Sapindus mukurossi*, MURASAKI (*lithospermiradix*), MURASAKI corn, *Leonurus sibiricus* (*Leonuri Herba*), MEBOUGI, MERAROIKA, Melissa, a melilot, melon fruits,

Artemisia mongolia Fischer, *Phyllostachys*, *Saussurea radix* (*saussurea* root), a fir -- JIBADA sulfur, the leaf (peach leaf), the fruits and the kind of a peach (peach kernel), bean sprouts, MORERO cherry fruits, and mulukhiya (jute) -- YAKAWAMURASAKIIMO, *alpinia fructus* (*alpinia fructus*), a cornflower (cornflower), Wild bergamot, *Alnus firma* (*Alnus firma* Sieb. et Zucc.), a sweet gale, a evergreen shrub of the family *Araliaceae* (8 corner-bead board), A mistletoe (willow parasitism), the leaf of *Polygonum hydropiper*, a *Cayratia japonica*, an *Ardisia japonica* (*Myrsinaceae*), A climax burdock (*Phytolacca esculenta radix*), a climax alder (*Alnus hirsuta*), a bayberry (*Myrica rubra* bark), Climax sagebrush, a eucalyptus, creeping saxifrage (*Saxifraga stolonifera* Meerb), yucca FUREBIFORIA, yuzu citron fruits, a lily, *Angelica dahurica*, the Europe bramble, sagebrush (*Artemisia argyi folium*), Lime fruits, rye wheat; RAKANKA fruits, a raspberry leaf and fruits, lavender, *Euphoria longana* (longan flesh), A green tea (green tea), apple fruits, a gentian, *Rubus suavissimus* (*Rubus suavissimus*), Lettuce, red car RANTO fruits, lemon fruits, a lemon grass, a forsythia fruit (weeping golden bell), *Astragalus sinicus*, a low coconut, and ROKON (reed: reed rhizome) Logan -- fruits, log wood, a rosemary (rosemary), the Lowe's blip (Novara), a Japanese horseradish, *Sanguisorba officinalis* (burnet), etc. are very raised.

[0043] As marine algae, seaweed [*Chlorophyceae*: *Chlorella vulgaris*, *Chlorella pyrenoidosa*, *chlorella* ERIPUSOIDEIA, and green laver (*Enteromorpha linza*, stripe green laver, *Enteromorpha compressa*, bow green laver, HOSOEDA green laver)], Seaweed [brown algae : A *Fucus vesiculosus* (*Laminaria japonica*, *Laminaria japonica* var. *ochotensis*, *Laminaria religiosa* Miyabe, *Laminaria angustata*), Wakame seaweed, *Undaria undaroides*, *Undaria peterseniana*, a giant kelp (*Macrocystis pyrifera*, macro cis- TISU in TEGURIFORIA, neo SHITISU RUETOKEANA), Edible-brown-algae and fucus], seaweed [red algae : *Cyrtomenia sparsa* Okamura, MAKUSA (agar-agar), *Ptilophora subcostata*, *Gelidium japonicum*, *Pterocladia tenuis* Okamura, KATAOBAKUSA, *Yatabella*, *Acanthopeltis japonica* Okamura, and sima -- agar-agar, *Meristotheca papulosa*, *Eucheuma serra* agglutinin, *Eucheuma amakusaensis*, *Eucheuma*, juniper *Eucheuma*, the chondrus, the Ohba chondrus, and Irish moss (carrageen) -- EZOTSUNOMATA, TOGETSUNOMATA, HIRAKOTOJI, *Chondrus elatus* Holmes, *Gigartina tenellus*, SHIKINNORI, *Chondracanthus intermedius*, IBOTSUNOMATA, YAREUSUBANORI, key USUBANORI, SUJIUSUBANORI, high USUBANORI, and dirt maple laver] etc. is raised as a typical thing.

[0044] moreover, other algae -- for example *Chlorophyceae* (*Chlamydomonas*;) *Chlamydomonas*, AKAYUKIMO, *Dunaliella* group : *Dunaliella*, chloro KOKKASU group : Chloro KOKKASU, *Pandorina* : Mulberry NOMIMO, volvox group : A Volvox, volvox, *Palmella* group, *Tetraspora*, and *spirogyra* group: knee cage, *spirogyra*, *Draparnaldia*, *Ulothrix*: *Ulothrix*, sea lettuce group: ANAAOSA, friend sea lettuce, *Ulva arasaki*, *Prasiola* : *Prasiola japonica*, a FURITCHIERA group, *Cladophora* : *Cladophora japonica*, *Cladophora sakaii*, *Cladophora glomerata*, MARIMO, *Valoniaceae* group: egg *Valoniaceae*, *Valonia aegagropila*, *Boergesenia*: *Boergesenia forbesii*, the *Caulerpa* group : *Caulerpa okamurae*, *Caulerpa racemosa* var. *laete-viriens*, *Caulepa brachypus* Harvey, a clo ivy, the *Bryopsis* group, mill group : A mill, chromyl, SAKIBUCHIMIRU, *Codium cylindricum* Holmes, *Codium latum*, *Acetabularia*: umbrella laver, *Chaetomorpha*: *Chaetomorpha spiralis*, *Chaetomorpha moniligera*, *Chaetomorpha okamurai*, the *Closterium* group, a KOREKAETE group, *Cosmarium*, *Dictyosphaeria* : *Dictyosphaeria cavernosa*, *Monostroma* : *Monostroma nitidum*, *Monostroma latissimum*, USUHITOEGUSA, *Kornmannia leptoderma* (Kjellman) Bliding, *Oedogonium*, *Pediastrum*, a SUMIREMO group: SUMIREMO, the *Zygnema* group, *Vaucheria*, etc.

[0045] *Cyanobacterium*s (SUIZENJINORI group: SUIZENJINORI, a water-bloom group, *Nostoc* group: KAWATAKE, *Nostoc verrucosum*, HASSAI, *Oscillatoria*, spirulina (*Spirulina*) group: *Spirulina*, *trichodesmium* (*Trichodesmium*) group, etc.).

[0046] Brown algae (PIRAERA group:) PIRAERA, *Ecotocarpus* group : NAGAMI *Ecotocarpus*, iso grape group : An iso grape, *Ralfsia* group: *Ralfsia*, *Sphacelaria*: GUNSENKUROGASHIRA, *Halopteris filicina* group: *Halopteris filicina*, *Cutleria cylindrica* group: *Cutleria cylindrica*, *Cutleria multifida*, *Cutleria adspersa*, *Dictyota dichotoma* group: *Dictyota dichotoma*, SAKIBIROAMIJI, the *Pachydictyon* group : *Pachydictyon* and *Dilophus*, *Spatoglossum* group: *Spatoglossum*, *Dictyopteris latiuscula* group :

[*Dictyopteris divaricata* (Okamura) Okamura, *Dictyopteris latiuscula*, URABOSHIYAHAZU JIGAMIGUSA group: JIGAMIGUSA sea fan group: sea fan kona sea fan, AKABA sea fan *Elachista* group: leech *Elachista*, and SOMEWAKEGUSA group: SOMEWAKEGUSA,] NABARIMO group : NABARIMO, tea SOUMEN group : MOTSUKICHASOUMEN, hornwort group : A hornwort, *Chordaria flagelliformis* group : *Chordaria flagelliformis*, OKINAWAMOZUKU group : OKINAWAMOZUKU, fake *Tinocladia crassa* group : Fake *Tinocladia crassa*, *Tinocladia crassa* group : *Tinocladia crassa*, *Sphaerotrichia divaricata* group : *Sphaerotrichia divaricata*, KUROMO group : KUROMO, fake *Nemacystus* group : Fake *Nemacystus*, *Nemacystus* group : *Nemacystus*, Ishige *okamurae* group : *Ishige okamurae*, *Ishige sinicol*, *Carpomitra cabreræ* group : *Carpomitra cabreræ*, peacock worm group : A peacock worm, *Nereia* group : *Nereia*, *Desmarestia* group : *Desmarestia*, *Desmarestia viridis*, *Desmarestia tabacoides*, *Akkesiphycus* group : *Akkesiphycus*, *Punctaria latifolia* group : *Punctaria latifolia*, *Endarachne* group : *Endarachne*, *Petalonia* group : *Petalonia*, *Asperococcus* group : *Asperococcus*, *Coilodesmaceae* group : *Coilodesmaceae*, oyster thief group : An oyster thief, *Colpomenia bullosa*, CHISHIMA oyster thief group : A CHISHIMA oyster thief, *Hydroclathrus clathratus* group : *Hydroclathrus clathratus*, nonuniformity RIDORI group : ZUGUSA Group: nonuniformity CHIDORI and a shark -- Bell-heather Group: a shark -- ZUGUSA -- A bell heather, YOKOJIMANORI group : YOKOJIMANORI, *Scytosiphon lomentaria* group : *Scytosiphon lomentaria*, *Dictyosiphon* group : *Dictyosiphon*, sea lace group : A sea lace, *Agarum* group : *Agarum*, *Costaria* group : *Costaria*, MISUJI *Fucus vesiculosus* group : A MISUJI *Fucus vesiculosus*, an ATSUBAMISUJI *Fucus vesiculosus*, *Fucus vesiculosus* group : A GATSUGARA *Fucus vesiculosus*, KAKIJI *Laminaria japonica*, a demon *Fucus vesiculosus*, a GOHEI *Fucus vesiculosus*, *Laminaria longissima*, a pea *Fucus vesiculosus*, an OCHIJIMI *Fucus vesiculosus*, tangle-flakes group: tangle flakes, *Eckloniopsis radicata* group: *Eckloniopsis radicata*, a KAJIME group : KAJIME, vine *Eisenia*, KUROME, KIKUISHI *Fucus vesiculosus* group : A KIKUISHI *Fucus vesiculosus*, torsion *Fucus vesiculosus* group : A torsion *Fucus vesiculosus*, *Hedophyllum* group : *Hedophyllum*, *Arthrothamnus* group : *Arthrothamnus*, *Eisenia* group : *Eisenia*, Ainu wakame seaweed group : Ainu wakame seaweed, *Alaria crassifolia* Kjellman, demon wakame seaweed *Pelvetia* group : *Pelvetia*, YABANEMOKU group : YABANEMOKU, RAPPAMOKU group : RAPPAMOKU, JOROMOKU group : UGANOMOKU, JOROMOKU, HIEMOKU, *Sargassum* : *Brassica oleracea* SHIMOKU, ISOMOKU, NAGASHIMAMOKU, *Sargassum horneri*, SHIDAMOKU, gulfweed, NEJIMOKU, NARASAMO, MAMETAWARA, TATSUKURI, YATSUMATAMOKU, *Sargassum thunbergii*, *Sargassum ringgoldianum*, FUSHIZUSHIMOKU, HAHAKIMOKU, *Sargassum micracanthum*, YOREMOKU, NOKOGIRIMOKU, OOBANOKOGIRIMOKU, *Coccophora* group: *Coccophora*, UKIMO group: *Macrocystis*, bull UKIMO group: bull UKIMO, *Scytosiphon lomentaria* group: *Scytosiphon lomentaria*, etc.

[0047] red algae (FUNORINOUSHIKE *Bangia*: -- *Bangia* --) *Porphyra*: Laver, *Porphyra yezoensis*, *Porphyra pseudolinearis* Ueda, demon laver, TASA, FUJIRITASA, BENITASA, and RODOKORUTON group: mill NOBENI, AKEBONOMOZUKU group: AKEBONOMOZUKU, *Liagora* group : [*Liagora caenomyces*, YOGORE *Liagora* and AOKONAHADA,] *Nemalion vermiculare* group: *Nemalion vermiculare*, TSUKUMONORI, duck GASHIRANORI, *Helminthocladia australis* group: *Helminthocladia australis*, HOSOBENIMOZUKU, and stone pine group: stone pine, *Scinaia japonica* group : [*Scinaia japonica*, *Scinaia okamurae* group: *Scinaia okamurae*, and *Actinotrichia fragilis* group: *Actinotrichia fragilis*,] Almost empty group : Almost empty one and HIRAGARAGARA, *Ptilonia* group : *Ptilonia*, *Delisea japonica* group: *Delisea japonica*, *Asparagopsis taxiformis* group: Key laver, *Asparagopsis taxiformis*, agar-agar group: HIMETENGUSA, high agar-agar, *Gelidium pacificum*, NAMBUGUSA, KOHIRA, YOHIRA, *Gelidium linoides*, *Dudresnaya japonica* group: *Dudresnaya japonica*, and HIMEHI velvet, Iso MUMEMODOKI group : [Iso MUMEMODOKI,] MICHIGAESOU group: MICHIGAESOU, *Dumontia* group: *Dumontia* and HERARYUUMON, *Masudaphycus* group: *Masudaphycus*, OKITSUBARA group: OOBOKITSUBARA, AKABA group: AKABA and mull bar hippo, *Portieria japonica* group : [*Portieria hornemannii* and *Portieria japonica*,] Coral MODOKI group : Almost empty MODOKI, SHIOGUSAGOROMO group : SHIOGUSAGOROMO, *Peysonnelia* group : ETSUKI *Peysonnelia*, a KAINOKAWA group : KAINOKAWA, KANINOTE group :

KANINOTE, a coralline-alga group:coralline alga, Grateloupia filicina group:Grateloupia filicina, the stripe centipede, KATANORI, HIRAMUKADE, KYOUNOHIMO, cherry laver, NIKUMUKADE, Grateloupia elliptica Holmes, a vine vine, Halymenia group:NURAKUSA, clo NURAKUSA, and ohm KADENORI, Prionitis patens group : Prionitis patens, Polyopes polyideoides group : Polyopes polyideoides, the genus Prionitis : Tichocarpus Group: Carpopeltis, Prionitis, pine laver, and rice -- laver, a comb pine, HITOTSUMATSU, Cryptonemia group:Ohba Prionitis, Gloiosiphonia capillaris group:Gloiosiphonia capillaris, Schimmelmannia group:Schimmelmannia, glue plant group:HANAFUNORI, Gloiopeltis furcata, and muff laver -- Tichocarpus, Callophyllis group : Callophyllis japonica, HIROHANO Callophyllis, evergreen-shrub-of-the-family-Araliaceae backlash Callophyllis, Callophyllis adhaerens, Callophyllis adnata, KINUHADA group:KINUHADA, Cirrularia group:Cirrularia, the Kallymenia group : ENASHIKARIMENIA, OOTSU umbrella laver, and HANAGATAKARIMENIA, HOUNOO group : HOUNOO, EZONAMESHI Nemastoma group: -- Nemastoma, USUGINU, NIKUHOUNOO group:NIKUHOUNOO, and Schizymenia dubyi group: -- Schizymenia dubyi, Halarachnion group:Halarachnion, OKAMURAGUSA group:climax DAGUSA, mirin group:mirin, HOSOBAMIRIN, Meristotheca papulosa group:chrysanthemum comb, and EZONAMESHI group: -- Gigartinales catenella group : Gigartinales catenella, Plonium telfairiae group:Plonium telfairiae, HOSOYUKARI, Hypnea charoides group:Hypnea charoides, the Saida thorn, a length thorn, key Hypnea charoides, Phacelocarpus group:Phacelocarpus, Caulacanthus group:Caulacanthus, and Sarcodia ceylanica group:Sarcodia ceylanica, Ceylon moss group: Ceylon moss, vine SHIRAMO, SHIRAMO, Gracilaria gigas Harvey, MIZOO John Conolly, hippo laver, and Gelidiopsis group:bee JOU Gelidiopsis, Cracilaria crassa group: Cracilaria crassa and Tylotus lichenoides group:Tylotus lichenoides, KAIMENSOU group : [KAIMENSOU,] Ahneleltiopsis flabelliformis group: Ahneleltiopsis flabelliformis, Ahnfeltia group:ITANIGUSA, Ahnfeltia, and HARIGANE, Stenogramma interrupta group : [Stenogramma interrupta, Gigartina tenellus group:cuttlefish NOASHI, HOSOIBONORI, NOBONORI, a KUROHA ginkgo-nuts sow group:KUROHA ginkgo-nuts sow, and Rhodoglossum:Mazzaella jaenicum,] HISHIBUKURO group : HISHIBUKURO, MADARAGUSA group : TOGEMADARA, ETSUKIMADARA, Chrysmenia group : Chrysmenia and HANASAKURA, Coelarthrun muelleri group : Coelarthrun muelleri, stripe John Conolly, Botryocladia group : Botryocladia, Cryptarachne group : Cryptarachne, Palmaria group : Palmaria, MASAGOSHIBARI, ANADARUSU, Webberella micans group : Webberella micans, Halosaccion saccatum group : Halosaccion saccatum, Lomentaria catenata group : Herpochondria elegans Group: Lomentaria catenata, HIMEFUSHITSUNAGI, HIROHA Lomentaria catenata, Champia parvula group:Champia bifida, Champia expansa, Ceramium kondoi group:Ceramium kondoi, KEIGISU, and HARIIGISU -- bounding -- Ceramium kondoi, AMIKUSA, Campylaephora hypnaeoides group:Campylaephora hypnaeoides, and FUTOIGISU -- Herpochondria elegans, a dust maple group : A dust maple, Delesseriaceae : Hub TAENORI, Martensia denticulata, Japanese radish laver, Sorella group : Sorella, Polyneura japonica group : [Polyneura japonica,] Neohypophyllum middendorffii group : Neohypophyllum middendorffii, SUJIGINU group : SUJIGINU, ATSUBASUJIGINU, high USUBANORI group : DAJIMODOKI Group: key USUBANORI, YAREUSUBANORI, SUJIUSUBANORI, high USUBANORI, USUBANORIMODOKI group:USUBANORIMODOKI, Martensia denticulata group:Martensia denticulata, Caloglossa continua group:Caloglossa continua, DAJIA group:ENASHIDAJIA, and sima -- a DAJIA group:iso lespedeza and sima -- DAJIA -- DAJIMOMODOKI, the Polysiphonia group : MOROITOGUSA and FUTOIGUSA, Digenea group : Digenea, willow laver group : HIMEGOKE Group: HANAYANAGI, Chondria crassicaulis, willow laver, giblets REYUNA, plywood NAGIKORI, MOSAYANAGI, SASABA willow laver, genus Laurencia:Laurencia intermedia Yamada, and Laurencia undulata Yamada -- bounding -- Laurencia, Laurencia NOHANA, Pterosiphonia group:Pterosiphonia, KEHANEGUSA, Symphyocladia marchantioides group:Symphyocladia marchantioides, iso MURASAKI, and HOSOKOZANEMO -- HIMEGOKE and clo HIMEGOKE, HIODOSHIGU group : [Chrysanthemum HIODOSHI, HIODOSHIGUSA, USUBAHIODOSHI, Enantiocladia okamurai group:Enantiocladia okamurai, SUJINASHIGUSA group:SUJINASHIGUSA, Neurymenia group:Neurymenia, a black pine

group:black pine, and Odonthalia group:HAKESAKI Odonthalia,] Batrachospermum group: Batrachospermum, B. virgatum Sirodot, HIMEKAWAMOZUKU, Cyanidium:Cyanidium Caldarium, Nemalionopsis tortuosa group:Nemalionopsis tortuosa, the Polysiphonia group, Porphyridium:Porphyridium cruentum, CHISUJINORI group:CHISUJINORI, etc.

[0048] Charophyceae (a charophyte group, Lamprothamnium, Nitellopsis:HOSHITSURIMO, a RIKUNOTAMUNUSU group, Nitella: HIMEFURASUKOMO, bantam hula SUKOMO, TORIPERA group, etc.), yellow algae (Chromulina: Chromulina etc.), etc.

[0049] moreover, as a material of the animal system raw material origin Collagen derivatives, such as the extract of the stomach, the duodenum, or the intestines of a crest extract, the placenta extract of a cow and a man, and a pig and a cow or its decomposition product, an extract of the spleen of a pig and a cow or its decomposition product, an extract of the brain tissue of a pig and a cow, a water-soluble collagen, and an acylation collagen, collagen hydrolyzate, An elastin, elastin hydrolyzate, a water-soluble elastin derivative, a keratin and its decomposition product or those derivatives, silk protein and its decomposition product or those derivatives, a pig and a bovine blood ball proteolysis object (globin peptide), A pig and cow hemoglobin decomposition products (hemin, hematin, a hem, protoheme, hemoferum, etc.), cow's milk, casein and its decomposition product or those derivatives, skimmilk powder and its decomposition product or those derivatives, lactoferrin or its decomposition product, a hen's egg component, a fish meat decomposition product, etc.

[0050] (14) Microbial cultivation metabolite yeast metabolite, yeast-fungus extract extractives, the U.S. fermentation extractives, rice bran fermentation extractives, the Euglena extract, the lactic-acid-fermentation object of skimmilk powder, trehalose or its derivative, etc.

[0051] (15) alpha A hydroxy-acid glycolic acid, a citric acid, a malic acid, a tartaric acid, lactic acid, etc.

[0052] (16) An inorganic pigment silicic acid anhydride, a magnesium silicate, talc, a kaolin, a bentonite, a mica, mica titanium, bismuth oxychloride, a zirconium dioxide, magnesium oxide, a zinc oxide, titanium oxide, a calcium carbonate, a magnesium carbonate, yellow oxide of iron, red ocher, black oxide of iron, ultramarine, chromic oxide, chromium hydroxide, carbon black, calamine, etc.

[0053] (17) ultraviolet absorption / cutoff agent p An aminobenzoic-acid derivative, a salicylic acid derivative, an anthranilic-acid derivative, a coumarin derivative, an amino acid system compound, a benzotriazol derivative, a tetrazole derivative, an imidazoline derivative, a pyrimidine derivative, a dioxane derivative, a camphor derivative, a furan derivative, A pyrone derivative, a nucleic-acid derivative, an allantoin derivative, a nicotinic-acid derivative, a vitamin-B6 derivative, benzophenones, oxybenzone, arbutin, a GUAI azulene, a shikonin, Bayh Carin, a BAIKA lane, berberine, neo HERIOPAN, an urocanic acid derivative, Escarol, a zinc oxide, talc, a kaolin, etc.

[0054] (18) Whitening agent p An aminobenzoic-acid derivative, a salicylic acid derivative, an anthranilic-acid derivative, a coumarin derivative, an amino acid system compound, a benzotriazol derivative, a tetrazole derivative, an imidazoline derivative, a pyrimidine derivative, a dioxane derivative, a camphor derivative, a furan derivative, a pyrone derivative, a nucleic-acid derivative, an allantoin derivative, a nicotinic-acid derivative, a vitamin-B6 derivative, oxybenzone, a benzophenone, arbutin, a GUAI azulene, a shikonin, Bayh Carin, a BAIKA lane, berberine, etc.

[0055] (19) A Tyrosinase activity inhibitor ascorbic acid And the derivative, hydroquinone And the glycoside, kojic acid And the derivative, placenta extractives, a silk peptide, vegetable extractives a mulberry, an angericae radix, Sanguisorba officinalis, clara, sagebrush, Japanese honeysuckle, a yellowfin tuna, Houttuynia, Hoelen, Coix lacryma-joli, a dead nettle, hop, a white thorn, a eucalyptus, Achillea millefolium, the althea, cinnamon, Vitex rotundifolia, the hamamelis, YAMAGUWA, prolongation-of-life grass, a platycodi radix, TOSHISHI, and Euphorbia lathyris -- Belamcanda chinensis DC., mahuang, a cnidium rhizome, Angelica pubescens, Phycho, Ledebouriella, a glehnia root, a Scutellaria root, moutan bark, a peony, a Geranium thunbergii Sieb. etZucc., the root of a kudzu, glycyrrhiza, nutgall, an aloe, Cimicifuga rhizome, safflower, green tea, tea, gambir catechu, etc.

[0056] (20) Melanin reduction / decomposition hydroquinone mono-benzyl ether, phenyl mercury hexachlorophene, mercuric oxide, mercurous chloride, hydrogen peroxide solution, zinc peroxide, etc.

- [0057] (21) A promotion operation / cell activation hydroquinone of a turnover, lactic-acid-bacteria extractives, placenta extractives, the Ganoderma extractives, vitamin A, vitamin E, allantoin, spleen extractives, thymus gland extractives, a yeast extract, fermented milk extractives, vegetable extractives (an aloe, a Scutellaria root, a field horsetail, a gentian, a burdock, a lithospermi radix, a ginseng, the hamamelis, hop, a coix seed, a dead nettle, a sialid, an angericae radix, Calendula officinalis, Hydrangeae dulcis folium, a St. John's wort, a cucumber, garden thyme a rosemary, parsley, etc.)
- [0058] (22) An astringent succinic acid, allantoin, a zinc chloride, a zinc sulfate, a zinc oxide, calamine, p-phenolsulfonic acid zinc, potassium aluminum sulfate, resorcinol, a ferric chloride, a tannic acid (a catechin compound is included), etc.
- [0059] (23) The active oxygen elimination agent SOD, a catalase, glutathione peroxidase, etc.
- [0060] (24) An anti-oxidant ascorbic acid and its salt, stearic acid ester, a tocopherol and its ester derivative, a NORUJIHIDOROGUASE retene acid, butylhydroxytoluene (BHT), butylhydroxyanisole (BHA), a hydronalium KISHICHIRO SOL, p-hydroxyanisole, propyl gallate, sesamol, sesamol, a gossypol, etc.
- [0061] (25) Peroxylipid generation inhibitor beta carotene, vegetable extractives (the Goma cultured cell, Hydrangeae dulcis folium, a St. John's wort, the hamamelis, caryophylli flos, Melissa, Isodon japonicus Hara, the Betula alba, the SAGE, a rosemary, a Nandina domestica seed, a chinae cortex, Rose Fruit, a ginkgo tree, green tea, etc.).
- [0062] (26) Anti-inflammatory agent ichthammol, indomethacin, a kaolin, a salicylic acid, sodium salicylate, a methyl salicylate, an acetylsalicylic acid, diphenhydramine hydrochloride, d or dl-camphor, hydrocortisone, a GUAI azulene, the chamazulene, chlorpheniramine maleate, glycyrrhizic acid and its salt, glycyrrhetic acid and its salt, a glycyrrhiza extract component, lithospermi radix extractives, Rose Fruit extractives, etc.
- [0063] (27) Sterilization and a disinfectant acrinol, sulfur, a benzalkonium chloride, benzethonium chloride, a methylrosanilinium chloride, cresol, calcium gluconate, chlorhexidine glyconate, sulfamine, mercurochrome, lactoferrin or its hydrolyzate, chlorination alkyl diamino ethyl glycine liquid, isopropyl methyl phenol, triclosan, a sophorae radix, etc.
- [0064] (28) 1 A moisturizer glycerol, propylene glycol, 3 A butylene glycol, hyaluronic acid and its salt, a polyethylene glycol, chondroitin sulfate and its salt, a water-soluble chitin or a chitosan derivative, a pyrrolidone carboxylic acid and its salt, sodium lactate, mini sasanisiki extractives, etc.
- [0065] (29) The agent 2 selenium sulfide for the hairs, alkyl-bromide-isoquinolinium liquid, zinc pilus thione, biphenamine, thianthol, KASUTARI tincture, ginger tincture, capsicum tincture, quinine hydrochloride, strong aqueous ammonia, a potassium bromate, sodium bromate, thioglycolic acid, etc.
- [0066] (30) Anti-androgen agent estrogen, isoflavone (estrone, estradiol, ethinylestradiol, etc.), oxendolone, etc.
- [0067] (31) Peripheral vessel blood-flow accelerator vitamin E and its derivative, sialid extractives, garlic extractives, ginseng radix extractives, aloe extractives, gentian extractives, angericae radix extractives, cepharanthin, carpronium chloride, minoxidil, etc.
- [0068] (32) Local irritation agent capsicum tincture, a nonylic acid BANIRU amide, cantharides tincture, ginger tincture, mentha oil, l-menthol, camphor, nicotinic-acid benzyl, etc.
- [0069] (33) The feeling light corpuscle No. 301 of a metabolic turnover activator, hinokitiol, pantothenic acid and its derivative, allantoin, placental extract, a biotin, a pentadecane acid glyceride, etc.
- [0070] (34) An antiseborrheic drug pyridoxine and its derivative, sulfur, vitamin B6, etc.
- [0071] (35) Keratolytic drug resorcinol, a salicylic acid, a lactic acid, etc.
- [0072] (36) Oxidizer hydrogen peroxide solution, sodium persulfate, ammonium persulfate, sodium perborate, urea peroxide, a fault sodium carbonate, peroxidation sodium tripolyphosphate, sodium bromate, a potassium bromate, a peroxidation sodium pyrophosphate, peroxidation orthochromatic sodium phosphate, a sodium-silicate hydrogen-peroxide adduct, a sodium-sulfate sodium chloride hydrogen-peroxide adduct, beta-tyrosinase enzyme liquid, a mushroom extract, etc.
- [0073] (37) Color agent 5-amino o-cresol, 2-amino-4-nitrophenol, 2-amino-5-nitrophenol, 1-amino-4-methylamino anthraquinone, 3, and 3'-imino diphenol, a hydrochloric acid 2, 4-diamino

phenoxyethanol, a hydrochloric acid 2, 4-diaminophenol, hydrochloric-acid toluene -2, 5-diamine, a hydrochloric-acid nitro p phenylenediamine, a hydrochloric-acid p phenylenediamine, a hydrochloric-acid N-phenyl p phenylenediamine, a hydrochloric-acid meta-phenylenediamine, an alt.aminophenol, An acetic-acid N-phenyl p phenylenediamine, 1,4-diaminoanthraquinone, 2, 6-diamino pyridine, 1, 5-dihydroxy naphthalene, toluene -2, 5-diamine, toluene -3, 4-diamine, a nitro p phenylenediamine, para-aminophenol, The PARANITORO alt.phenylenediamine, p phenylenediamine, PARAME chill aminophenol, picramic-acid, sodium-picramate, N, and 'N-screw (4-aminophenyl) -2, the 5-diamino -1, -4-quinone diimine, 5- (2-hydroxyethylamino)-2-methyl phenol, N-phenyl p phenylenediamine, a meta-aminophenol, a meta-phenylenediamine, sulfuric-acid 5-amino o-cresol, a sulfuric-acid 2-amino-5-nitrophenol, a sulfuric-acid alt.aminophenol, A sulfuric-acid alt.KURORU p phenylenediamine, a sulfuric acid 4, a 4'-diamino diphenylamine, a sulfuric acid 2, 4-diaminophenol, sulfuric-acid toluene -2, 5-diamine, a sulfuric-acid nitro p phenylenediamine, sulfuric-acid para-aminophenol, A sulfuric-acid PARANITORO alt.phenylenediamine, a sulfuric-acid PARANITORO meta-phenylenediamine, a sulfuric-acid p phenylenediamine, a sulfuric-acid PARAME chill aminophenol, a sulfuric-acid meta-aminophenol, a sulfuric-acid meta-phenylenediamine, a catechol, a diphenylamine, the alpha-naphthol, A hydroquinone, pyrogallol, FUROROROGURUSHIN, a gallic acid, resorcinol, a tannic acid, 2-hydroxy-5-nitro -2' and 4'-diamino azo BENZOZEN-5'-sulfonic-acid sodium, hematein, etc.

[0074] (38) Natural animal perfume, such as perfume musk, a civet, dregs thorium, and an ambergris, Anis- essential oil, Angelica archangelica essential oil, ylang ylang essential oil, iris essential oil, fennel essential oil, Orange essential oil, Kananga essential oil, caraway essential oil, cardamom essential oil, guaiacum-wood wood essential oil, cumin essential oil, black alphabetic character essential oil, cassia essential oil, SHINNAMON essential oil, galley NIUMU essential oil, Winter green essential oil copaiba balsam essential oil, coriander essential oil, and a beefsteak plant -- essential oil, SHIDA wood essential oil, citronella essential oil, jasmine essential oil, ginger glass essential oil, Japan cedar essential oil, spearmint essential oil, Western mentha herb essential oil, star-anise-fruit essential oil, CHUBE rose essential oil, Amsonia elliptica essential oil, and Neroli essential oil -- Tolu balsam essential oil, BACHURI essential oil, rose essential oil, PARUMAROZA essential oil, hinoki essential oil, Khiva essential oil, sandalwood essential oil, petit grain essential oil, bay essential oil, Vetiver essential oil, bergamot essential oil, Peru balsam essential oil, BOADO rose essential oil, Cinnamomum camphora oil, Mandarin essential oil, eucalyptus essential oil, lime essential oil, Vegetable perfume, such as lavender essential oil, RINAROE essential oil, lemon grass essential oil, lemon essential oil, rosemary essential oil, and Mentha arvensis essential oil, other synthetic perfume, etc.

[0075] (39) coloring matter and coloring agent red cabbage colour, reddish rice coloring matter, madder coloring matter, ANATO coloring matter, sepia coloring matter, curcmae rhizoma coloring matter, Japanese pagoda tree coloring matter, krill coloring matter, persimmon coloring matter, a caramel, gold, silver, and a gardenia -- coloring matter, cone coloring matter, onion coloring matter, tamarind coloring matter, Spirulina coloring matter, buckwheat entire plant coloring matter, cherry coloring matter, dried-seaweed coloring matter, hibiscus coloring matter, grape fruit-juice coloring matter, marigold coloring matter, purple potato coloring matter, purple yam coloring matter, a lac color, rutin, etc.

[0076] In addition, a moisturizer, hormone, a sequestering agent, pH regulator, a chelating agent, Preservation from decay and a ** Bayh agent, a refrigerant, a stabilizing agent, an emulsifier, ** and vegetable albumen, and its decomposition product, **, vegetable polysaccharide and its decomposition product, ** and vegetable glycoprotein, and its decomposition product, A blood-flow accelerator, an antiphlogistic and an antiallergic agent, a cell activator, a keratolytic drug, a wound therapy agent, a foam increasing agent, a thickener, the agent for the oral cavities, deodorization and a deodorant, the charge of bitterness, a seasoning, an enzyme, etc. are raised, and additive and various kinds of multiplication effectiveness can be expected according to concomitant use with these.

[0077] Moreover, the pharmaceutical form of the moisturizer of this invention, immune depression preventive, and skin external preparations is arbitrary, and can be blended and used for drugs, such as the shape of the shape of the shape of the shape of the shape of the shape of a capsule, powder, granularity, and a solid, a liquid, gel, and air bubbles, a milk liquid, and a cream, and ointment, and a

sheet, quasi drugs, and the skin and hair care products.

[0078] Specifically For example, external use medicinal pharmaceutical preparation, face toilet, a milky lotion, a cream, ointment, Basic cosmetics, such as a lotion, oil, and a pack, the charge of washing its face and a skin cleaner, A shampoo, a rinse, a hair treatment, a charge for a haircut, the Parma agent, a tonic, Hair cosmetics, such as hair dye, and hair fostering, a charge of hair growing, foundation, a lip stick, It can apply to various products, such as makeup cosmetics, such as rouge, eye shadow, an eyeliner, and mascara, perfumes, baths, other toothbrushing, a mouth deodorant and a gargle, deodorization and a deodorizer, sanitary napkins, and wet tissue, and the use to common eating-and-drinking articles is also possible.

[0079] In addition, what is necessary is to be in the middle of manufacture, to add, to consider workability, and just to choose suitably about the approach of the addition to the moisturizer of this invention, immune depression preventive, and skin external preparations, even if it adds beforehand.

[0080]

[Example] This invention is not restrained by these although the example of manufacture, the example of a trial, and the example of a formula are raised and explained below.

[0081] (Example 1 of manufacture) the various extracts of an enoki mushroom, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms -- respectively -- 100g -- purified water (about 80 degrees C) -- about 5 hours -- warming -- it extracts and filters and about 1.0kg (desiccation solid content: about 0.1 - 2.5 % of the weight) of extracts is obtained.

[0082] (Example 2 of manufacture) After immersing 100g in an ethanol solution 50% and extracting 5 day and night of various extracts of an enoki mushroom, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms at a room temperature, respectively, it filters and about 1.0kg (desiccation solid content: about 0.1 - 2.5 % of the weight) of extracts is obtained.

[0083] (Example 3 of manufacture) 100g is filtered for the various extracts of an enoki mushroom, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms, respectively, 70% ethanol solution or after being immersed in 1, 3-butylene-glycol solution, 60% propylene glycol solution, or purified water (about 30 degrees C) 30% and extracting 5 day and night at a room temperature, and about 1.0kg (desiccation solid content: about 0.1 - 2.5 % of the weight) of extracts is obtained.

[0084] (Trial 1) Moisturization trial (a test method and the evaluation approach)

1) The epidermis horny layer moisture content measuring device (high frequency IMPEDANCE METER model IB 335, IBS, Inc. make) was used, and the electrical conductivity of the skin was measured with the electrode with a periphery diameter [of 6mm], and a main diameter of 1mm. A measurement part is made into the flexor forearm inside, and measures the electrical conductivity of a measurement part beforehand. next, a measurement part -- each sample -- about 1 mL was applied, the excessive sample was removed after 30 seconds, from immediately after, the electrical conductivity in every 30 seconds was measured for 5 minutes, and the moisturization trial was performed. In addition, the sample of a moisturization trial presented the trial with the extract (1.0 % of the weight of solid content concentration) obtained in the example 1 of manufacture of this invention. Moreover, the test condition showed the result to drawing 1 -9 temperature:22-24 degree C and relative humidity:50-52%.

[0085] (Test result) The passage of drawing 1 -9, the strong moisturization operation was shown about the enoki mushroom of this invention, shiitake mushroom, a brown mushroom, and the various extracts of the agaric, and it was checked that the various extracts of ERINGII, a Shimeji mushroom, a nameko mushroom, Agaricus blazei, and maitake mushrooms have a moisturization operation compared with purified water.

[0086] (Trial 2) Langerhans cell (henceforth LC cell) in the cell from which it becomes recent years from which that the immunity function of the skin falls by the immune depression prevention trial ultraviolet rays (UV B) guided by ultraviolet rays, it comes to be known, and these phenomena constitute the skin is UV. It is thought by B exposure that disappearing, a depression, etc. are the causes.

In addition, LC cell has the function to transmit the information on an antigen or a gun cell to an immune system cell (T cell), and it is thought that it is participating in the contact allergic reaction deeply (Ueda, 9thSCCJ seminar text 10 (1996)). By the exam, in order to investigate the immune depression preventive effect of the skin, the contact allergic reaction was measured as an index and the preventive effect (Horio et al.: day hide meeting magazine 105 (12), 1621 (1995), Uchida : fragrance journals 9 and 29 (1991)) over the fall of the contact allergic reaction guided by ultraviolet rays was examined.

[0087] (Test method)

a. The sample extract distilled off the solvent under reduced pressure, and manufactured and used after concentration the hydrophilic petrolatum ointment containing the amount which converts into solid content concentration and becomes 10% of the weight with the conventional method.

b. Ultraviolet rays (Toshiba floor line 20 S-E lamp use as a UV B lamp) were irradiated two times 50 mJ/cm at measurement of the rate of edema swelling, i.e., the mouse regions of back which carried out depilating with electric hair clipper and an electric shaver three days ago. Immediately after that, the test drug was applied to the exposure part, was applied still like the next day and following ****, and was performed a total of 3 times. 25micro L spreading of 0.2%(W/W) DNFB (1 Fluoro 2, 4 dinitrobenzene, and Wako Pure Chem make were dissolved with acetone:olive oil 4:1) solutions was carried out, and sensitization was made to carry out back [mouse] 6 hours after the last spreading. **** did 20microL spreading of DNFB 0.2%, and performed it in the seven days after [sensitization] mouse one side ear-pinna section. 24 hours after ****, the evaluation approach clipped the ear pinna on either side by punch (diameter of about 5mm), measured the weight of the clipped ear pinna and made the difference the ear-pinna enlargement value. In addition, the animal (non-irradiated group) which carried out only sensitization actuation with which it does not deal with UV irradiation and a test drug was prepared and compared. In addition, eight per group were used for the 10-weeks old C3 H/HeN feminity mouse.

[0088] (Test result) As a result of observing the inflammation of the contact allergic reaction by the DNFB solution carried out by the exam method, the fall inclination (immunoreaction fall of the skin) of inflammation was accepted for the group (contrast) which irradiated ultraviolet rays rather than the inflammation of the group (un-irradiating) which did not irradiate ultraviolet rays. However, after irradiating ultraviolet rays, as for the group which applied the various extracts of the enoki mushroom of this invention, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms, the fall of inflammation was not accepted at all as drawing 10. From this, it was checked that there is a preventive effect over the immunoreaction fall by ultraviolet rays in the various extracts of the enoki mushroom of this invention, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms. Moreover, it can suggest that the trauma of LC cell is concerned, and, as for the immunosuppression of the skin, the various extracts of this invention are effective in maintaining LC cell normally, and secrete LC cell with EGF (epidermis cell growth factor) and FGF (fibroblast growth factor) further, it is indispensable after that skin structure maintains, and the various extracts of this invention are important for maintenance of skin structure.

[0089] (Trial 3) the various extracts of the enoki mushroom obtained by the examples 1-3 of safety test (1) primary-skin-irritation-test manufacture, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms -- desiccation solid content concentration -- about -- it prepared with purified water so that it might become 1.0 W/V%, and it applied to the skin of the Japanese white rabbit (before or after feminity, one group of three animals, and the weight of 2.3kg) which carried out trimming of the regions of back. The judgment performed erythema and an edema as an index by the after [application] 24, and score method primary stimulative to 48 or 72 hours. In all animals, in any way, the result did not accept erythema and an edema, but was judged to be negative.

[0090] The enoki mushroom obtained by the examples 1-3 of manufacture like the safety test (2) skin accumulation stimulus sex test, (Trial 4) ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, The various extracts of maitake mushrooms

were prepared with purified water so that desiccation solid content concentration might serve as abbreviation 1.0 W/V%, and 0.5 mL/the animal was applied to the skin of the Hartley system guinea pig (before or after femininity, one group of three animals, and the weight of 320g) which carried out trimming of the regio lateralis 1 time per and 5 times per week day. Spreading was performed over two weeks and trimming was performed on the last spreading day of each week. The judgment performed erythema and an edema as an index by the primary stimulative score method at the next day of each spreading Japan and last spreading Japan. In all animals, the result did not accept erythema and an edema at all over two weeks, but was judged to be negative.

[0091] The enoki mushroom obtained by the examples 1-3 of manufacture like the safety test (3) acute toxicity test, (Trial 5) ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, *Agaricus blazei*, The amount internal use of 2,000 mg/kg of the various extracts of maitake mushrooms was carried out at the ddy system mouse (maleness and femininity, one groups [five], 5 weeks old) made to abstain from food for 4 hours before examining the powder (about [desiccation solid content] 1.0 W/V%) obtained by carrying out vacuum concentration and desiccation, and the manifestation of a toxic symptom, extent, etc. were observed with time. Consequently, in no mice, trouble was accepted at all for 14 days, and the result of dissection did not have trouble, either. Therefore, fifty percent lethal dose was judged to be 2,000 or more mg/kg.

[0092] (Example of a formula) Although the example of a formula was shown below according to the evaluation result of the manufacture above of various moisturizers, immune depression preventive, and skin external preparations, the example of a formula is easy to be what was manufactured with the conventional method in manufacture of each product, and showed only loadings. Moreover, this invention is not necessarily limited to these.

[0093]

A milky lotion (Example 1 of a formula) Weight % 1. Squalane 5.0 2. olive oil 3.0 3. jojoba oil 3.0 4. cetyl alcohol 2.0 5. glycerol monostearate 2.0 6. polyoxyethylene (20) cetyl ether 3.0 7. polyoxyethylene (20) SOL BITAN mono-olate 2.0 8.1, 3-butylene glycol 1.0 9. glycerol 2.0 10.A : [Enoki mushroom hot water extract] B : An ERINGII hot water extract C : A shiitake mushroom hot water extract D : A Shimeji mushroom hot water extract E : A nameko mushroom hot water extract F : A brown mushroom hot water extract G : An agaric hot water extract H: *Agaricus blazei* hot-water extract I: Maitake-mushrooms hot water extract Any one sort of *A-I 8.0 11. perfume and antiseptics Optimum dose The remainder used as 12. purified water 100 [0094]

A PIRU off pack (Example 2 of a formula) A weight % 1. glycerol 5.0 2. propylene glycol 4.0 3. polyvinyl alcohol 15.0 4. ethanol 8.0 5. polyoxy ethylene glycol 1.0 6. *Agaricus blazei* hot water extract 3.0 7. maitake-mushrooms hot water extract 3.0 8. perfume, antiseptics Optimum dose 9. purified water The remainder set to 100 [0095]

Cold cream (Example 3 of a formula) Weight % 1. white beeswax 11.0 2. liquid paraffin 22.0 3. lanolin 10.0 4. almond oil 15.0 5. borax 0.5 6. Shimeji mushroom hot water extract 1.0 7. nameko mushroom hot water extract 1.5 8. brown mushroom 30%1, 3-butylene-glycol extract 1.0 9. perfume, antiseptics Optimum dose 10. purified water The remainder set to 100 [0096]

Body soap (Example 4 of a formula) A weight % 1. lauric-acid potassium 15.0 2. myristic-acid potassium 5.0 3. propylene glycol 5.0 4. enoki mushroom 50% ethanol extract 1.0 5. ERINGII hot water extract 2.0 6. agaric extract 1.5 (Ethanol: 1 and 3-butylene-glycol =3:1 extractives) 7. The *Agaricus blazei* hot water extract 1.5 8.pH regulator Optimum dose 9. antiseptics Optimum dose 10. purified water The remainder set to 100 [0097]

A shampoo (Example 5 of a formula) Weight % 1. lauryl sulfuric-acid triethanolamine 6.0 2. polyoxyethylene lauryl ethereal sulfate sodium 15.0 3.1, 3-butylene glycol 4.0 4. lauric-acid diethanolamide 2.0 5. disodium edetate 0.1 6. Shimeji mushroom hot water extract 1.0 7. nameko mushroom hot water extract 2.5 8. maitake-mushrooms hot water extract 1.5 9. perfume, antiseptics Optimum dose 10. purified water The remainder set to 100 [0098]

A rinse (Example 6 of a formula) Weight % 1. stearyl chloride trimethylammonium 3.0 2. cetostearyl alcohol 3.0 3. polyoxyethylene lanolin ether 3.0 4. propylene glycol 5.0 5. agaric 50% ethanol extract

1.0 6. ERINGII 50% ethanol extract 1.5 7. maitake-mushrooms 50% 1, 3-butylene-glycol extract 1.5
8. pH regulator Optimum dose 9. antiseptics Optimum dose 10. purified water The remainder set to 100
[0099]

A hair liquid (Example 7 of a formula) Weight % 1. ethanol 30.0 2. polyoxypropylene butyl ether
phosphoric acid 10.0 3. polyoxypropylene monobutyl ether 5.0 4. triethanolamine A 1.0 5. brown
mushroom 30% ethanol extract 1.0 6. agaric 50% ethanol extract 1.0 7. Agaricus blazei hot water extract
1.0 8. antiseptics Optimum dose 9. purified water The remainder set to 100 [0100]

A tonic (Example 8 of a formula) Weight % 1. ethanol 40.0 2. ethyl oleate 1.0 3. polyoxyethylene (40)
hydrogenated castor oil 2.0 4. enoki mushroom 20% ethanol extract 1.0 5. shiitake mushroom 50%
propylene glycol 1.0 6. agaric ethanol extract 1.0 7. perfume and antiseptics Optimum dose 8. purified
water The remainder set to 100 [0101]

Granulation baths (Example 9 of a formula) A weight % 1. sodium hydrogencarbonate 58.0 2.
anhydrous sodium sulfate 30.0 3. borax 3.0 4. brown mushroom hot water extract powder 5.0 5.
Agaricus blazei hot water extract powder 2.0 6. nameko mushroom 50% ethanol extract powder 2.0
[0102] (Example 10 of a formula) The formula liquid which mixed optimum dose, such as the Agaricus
blazei hot water extract and a maitake-mushrooms hot water extract, and an antibiotic, anti-
inflammation, on covering protective agent gauze or a liniment cloth is infiltrated, and it attaches to the
trauma section. Moreover, directly, the Agaricus blazei hot water extract and a maitake-mushrooms hot
water extract may be sprinkled on a part, and may be covered with gauze etc.

[0103] (Trial 6) Effectiveness at the time of actually using the skin external preparations of use
effectiveness trial this invention was examined. The use test made the panelist surface deterioration,
those who worry about the desiccation skin and those who do not have gloss and a flare in the skin, and
ten 20-50-year-old persons, and was performed by applying the optimum dose of the milky lotion of the
example 1 of a formula to the face and a hand over three months twice [of every day, a morning, and
night] after washing its face. What prescribed the thing excluding the various extracts of this invention
from the milky lotion by the same approach was used for contrast. Moreover, the evaluation approach is
performed on the following criteria, a result is as in Table 1 and the numeric value of front Naka
expresses the number. In addition, there were those [no] who appealed against the abnormalities of the
skin into duration of service.

[0104] "Lustrous skin and a moisturizing effect"

** Effect: Surface deterioration and the desiccation skin have been improved.

Minor response: Surface deterioration and the desiccation skin have been improved a little.

Nothing Effect: With a use front and no change.

[0105] "Skin feel improvement effect"

** Effect: The increase of the gloss of the skin and a flare and the skin have been improved.

Minor response: The gloss and flare of the skin increased a little, and the skin has been improved.

Nothing Effect: With a use front and no change.

[0106]

[Table 1]

乳 液 試 料	美肌・保湿効果			皮膚感改善効果		
	有 効	やや有効	無 効	有 効	やや有効	無 効
	3ヶ月後			3ヶ月後		
エノキタケ抽出物	2	7	1	1	7	2
エリンギ出物	1	6	3	2	6	2
シイタケ抽出物	0	8	2	1	7	2
シメジ抽出物	2	7	1	1	7	2
ナメコ抽出物	4	6	0	3	6	1
ツクリタケ抽出物	2	7	1	0	9	1
ハラタケ抽出物	2	7	1	1	8	1
ヒメツクサ抽出物	1	9	0	1	9	0
マイタケ抽出物	2	8	0	0	8	2
対照品	0	0	10	0	0	10

[0107] (Test result) It was checked by the result as Table 1 that the various extracts of the enoki mushroom of this invention, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms improve surface deterioration and the desiccation skin intentionally, and give gloss and a flare to the skin.

[0108]

[Effect of the Invention] The moisturizer, immune depression preventive, or skin external preparations containing one or more sorts of extracts chosen from the enoki mushroom of this invention, ERINGII, shiitake mushroom, a Shimeji mushroom, a nameko mushroom, a brown mushroom, the agaric, Agaricus blazei, and maitake mushrooms has a moisturization operation,/, and an immune depression prevention operation, and can also give gloss and a flare further to prevention and an improvement of surface deterioration and the desiccation skin, or the skin. Moreover, the immunosuppression of the skin is deeply concerned with the trauma of LC cell, and the various extracts of this invention are effective in maintaining LC cell normally, and safe also to a man and an animal. In addition, use in eating-and-drinking articles common in addition to this is also possible for this invention.

[Translation done.]